

In Vivo CTL Elicitation by Heat Shock Protein Fusion Proteins Maps to a Discrete  
Domain and is CD4<sup>+</sup> T Cell-Independent

ABSTRACT OF THE DISCLOSURE

5           The present invention relates to a method of inducing a CD8<sup>+</sup> CTL response to a  
molecule in an individual deficient in CD4<sup>+</sup> T cells comprising administering to the  
individual an hsp or a portion of an ATP binding domain of an hsp joined to the  
molecule. In one embodiment, the present invention relates to a method of treating HIV  
in an individual deficient in CD4<sup>+</sup> T cells comprising administering to the individual an  
10 hsp or a portion of an ATP binding domain of an hsp joined to the molecule. Also  
encompassed by the present invention is a method of inducing a CD4<sup>+</sup> independent CTL  
response in an individual comprising administering to the individual a portion of an  
ATP binding domain of an hsp joined to the molecule. The present invention also  
relates to a method of inducing a CD8<sup>+</sup> CTL response in an individual comprising  
15 administering to the individual a portion of an ATP binding domain of an hsp joined to  
the molecule. In addition, the present invention relates to a composition characterized  
by a portion of an ATP binding domain of an hsp joined to a molecule.